

## ABSTRACT

### NaCT AS A TARGET FOR LIFESPAN EXPANSION AND WEIGHT REDUCTION

5

10 The present invention provides the identification and characterization of a novel transmembrane transporter, a  $\text{Na}^+$ -coupled citrate transporter ("NaCT"). Isolated polynucleotides encoding the transmembrane transporter, the transmembrane transporter polypeptide itself, antibodies thereto, and methods of use, are provided.

CERTIFICATE UNDER 37 C.F.R. §1.10  
The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office Addressee" service under 37 C.F.R. §1.10 on the date indicated below and is addressed to: Assistant Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

DATE OF DEPOSIT: November 20, 2003  
"Express Mail" mailing label number: EV 201890140 US

Signature: Sara E. Olson  
Printed Name: SARA E. OLSON